

=> file reg

FILE 'REGISTRY' ENTERED AT 11:22:53 ON 27 JUL 2006
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FILE 'LREGISTRY' ENTERED AT 11:12:42 ON 27 JUL 2006

L1 STR

FILE 'REGISTRY' ENTERED AT 11:18:23 ON 27 JUL 2006

L2 4 S L1

L3 82 S L1 FUL

SAV L3 ELH151/A

FILE 'CAOLD' ENTERED AT 11:22:22 ON 27 JUL 2006

L4 0 S L3

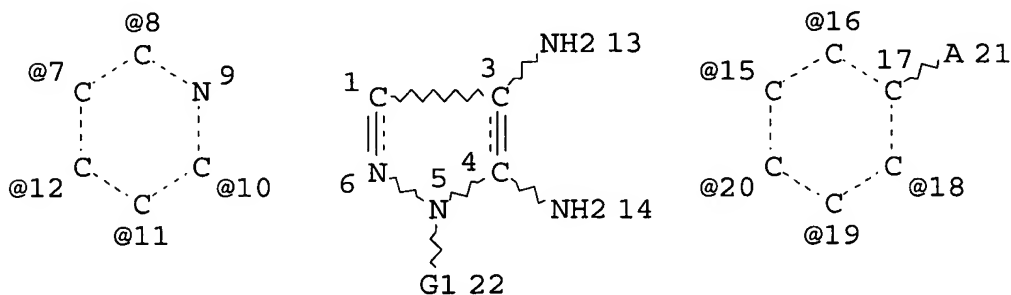
FILE 'ZCA' ENTERED AT 11:22:29 ON 27 JUL 2006

L5 19 S L3

FILE 'REGISTRY' ENTERED AT 11:22:53 ON 27 JUL 2006

=> d l3 que stat

L1 STR



VAR G1=10/11/12/7/8/18/19/20/15/16

NODE ATTRIBUTES:

NSPEC IS RC AT 21

DEFAULT MLEVEL IS ATOM

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 21

STEREO ATTRIBUTES: NONE

L3 82 SEA FILE=REGISTRY SSS FUL L1

100.0% PROCESSED 5279 ITERATIONS

82 ANSWERS

SEARCH TIME: 00.00.01

=> file zca

FILE 'ZCA' ENTERED AT 11:24:49 ON 27 JUL 2006

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

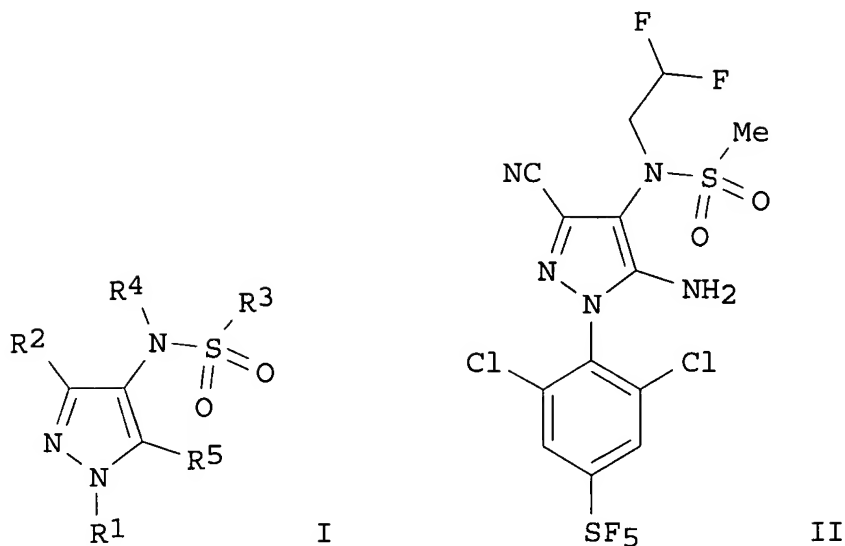
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=> d l5 1-19 cbib abs hitstr hitrn

L5 ANSWER 1 OF 19 ZCA COPYRIGHT 2006 ACS on STN

143:347161 Preparation of N-(1-arylpyrazol-4-yl) sulfonamides as
parasiticides. Critcher, Douglas James; Lauret, Christelle; Walshe,
Nigel Derek Arthur (Pfizer Limited, UK; Pfizer Inc.). PCT Int.
Appl. WO 2005090313 A1 20050929, 158 pp. DESIGNATED STATES: W: AE,
AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO,
CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM,
HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT,
LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH,
PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT,
TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW; RW: AT, BE, BF, BJ, CF,
CG, CH, CI, CM, CY, DE, DK, ES, FI, FR, GA, GB, GR, IE, IS, IT, LU,
MC, ML, MR, NE, NL, PT, SE, SN, TD, TG, TR. (English). CODEN:
PIXXD2. APPLICATION: WO 2005-IB597 20050307. PRIORITY: GB
2004-6137 20040318; US 2004-571415P 20040513.

GI



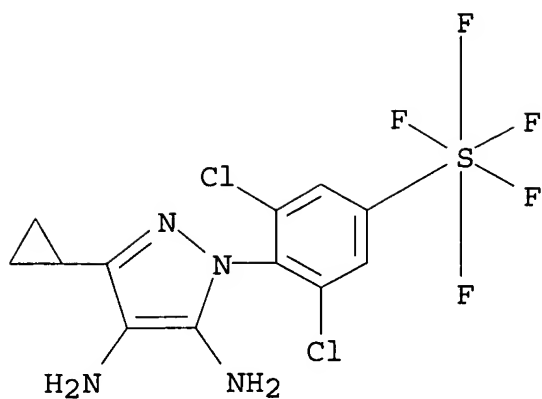
AB The title compds. I [R1 = (un)substituted Ph, heteroaryl; R2 = H, halo, CN, etc.; R3 = alkyl, haloalkyl, alkenyl, etc.; R4 = H, alkyl, haloalkyl, etc.; or R3 and R4 taken together with the N and S atoms to which they are attached form a 4-7 membered ring; R5 = H, OH, halo, etc.] or a pharmaceutically, veterinarily or agriculturally acceptable salts or solvates thereof, useful as parasiticides, were prepd. Thus, reacting N-{5-amino-3-cyano-1-[2,6-dichloro-4-pentafluorothiophenyl]-1H-pyrazol-4-yl}methanesulfonamide with 2,3-difluoroethyl trifluoromethanesulfonate in the presence of K₂CO₃ in MeCN afforded II. The flea membrane feed test is used to measure the biol. activities of the compds. I. All the exemplified compds. I have flea ED₈₀ of less than 100 μ g/mL.

IT 865833-46-1P 865833-47-2P 865833-48-3P
865833-63-2P

(prepn. of N-(1-arylpyrazol-4-yl) sulfonamides as parasiticides)

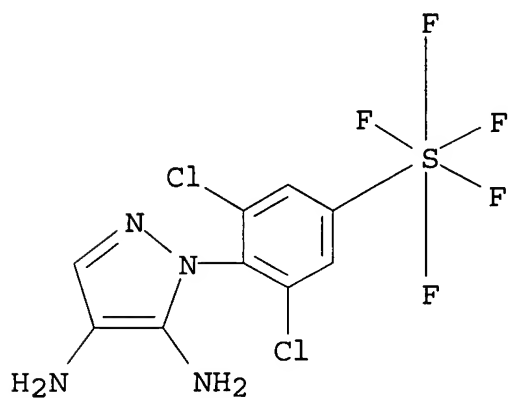
RN 865833-46-1 ZCA

CN Sulfur, [3,5-dichloro-4-(4,5-diamino-3-cyclopropyl-1H-pyrazol-1-yl)phenyl]pentafluoro-, (OC-6-21)- (9CI) (CA INDEX NAME)



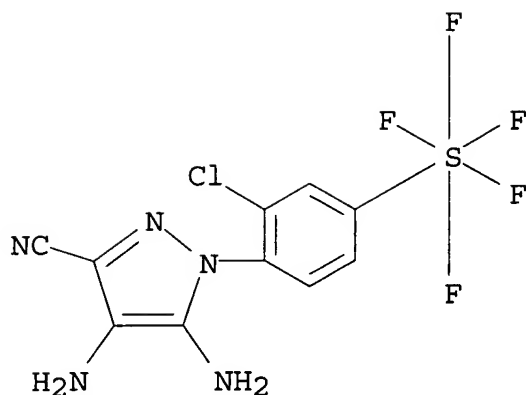
RN 865833-47-2 ZCA

CN Sulfur, [3,5-dichloro-4-(4,5-diamino-1H-pyrazol-1-yl)phenyl]pentafluoro-, (OC-6-21)- (9CI) (CA INDEX NAME)



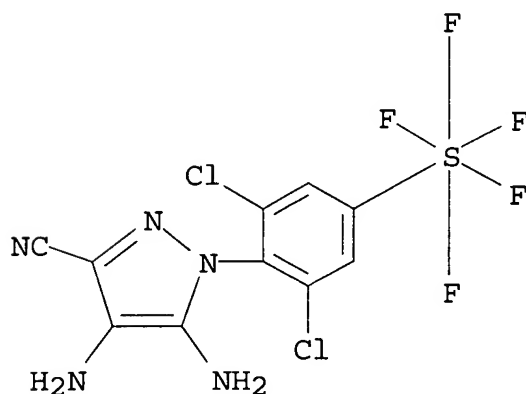
RN 865833-48-3 ZCA

CN Sulfur, [3-chloro-4-(4,5-diamino-3-cyano-1H-pyrazol-1-yl)phenyl]pentafluoro-, (OC-6-21)- (9CI) (CA INDEX NAME)



RN 865833-63-2 ZCA

CN Sulfur, [3,5-dichloro-4-(4,5-diamino-3-cyano-1H-pyrazol-1-yl)phenyl]pentafluoro-, (OC-6-21)- (9CI) (CA INDEX NAME)



IT 865833-46-1P 865833-47-2P 865833-48-3P
865833-63-2P

(prepn. of N-(1-arylpyrazol-4-yl) sulfonamides as parasiticides)

L5 ANSWER 2 OF 19 ZCA COPYRIGHT 2006 ACS on STN

142:266267 Oxidative hair dyes containing derivatives of
4,5-diaminopyrazole and 1-naphthalenol. Glattfelder, Martina;
Bahnmüller, Iris; Lenz, Uwe (Wella A.-G., Germany). Ger. Offen. DE
10336202 A1 20050303, 18 pp. (German). CODEN: GWXXBX.
APPLICATION: DE 2003-10336202 20030807.

AB The invention concerns oxidative hair dyes that include derivs. of
4,5-diaminopyrazole, bis-4,5-diaminopyrazole, and 2-position
substituted 1-naphthalenol. Thus a compn. contained (g):

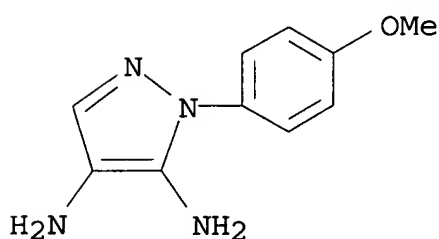
isopropanol 10.00; lauryl alc.-diglycolether sulfate sodium salt (28% aq.soln.) 10.00; ammonia (25% aq. soln.) 10.00; ascorbic acid 0.30; 4,5-diamino-1-(4'-methylbenzyl)-1H-pyrazole sulfate 1.50; acetic acid-(2-methylnaphthalene-1-yl) ester 1.20; water to 100.00.

IT 308279-60-9 698391-48-9

(oxidative hair dyes contg. derivs. of 4,5-diaminopyrazole and 1-naphthalenol)

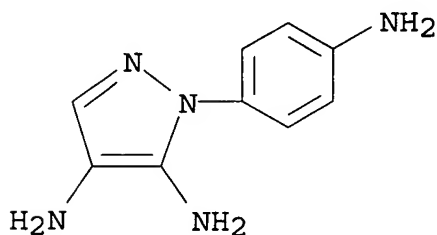
RN 308279-60-9 ZCA

CN 1H-Pyrazole-4,5-diamine, 1-(4-methoxyphenyl)- (9CI) (CA INDEX NAME)



RN 698391-48-9 ZCA

CN 1H-Pyrazole-4,5-diamine, 1-(4-aminophenyl)- (9CI) (CA INDEX NAME)



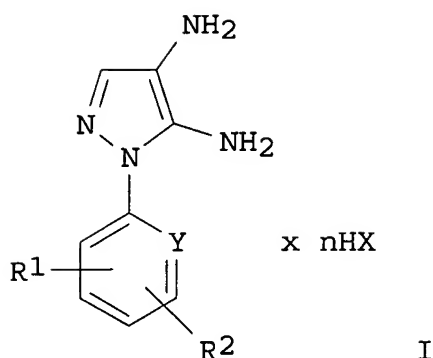
IT 308279-60-9 698391-48-9

(oxidative hair dyes contg. derivs. of 4,5-diaminopyrazole and 1-naphthalenol)

L5 ANSWER 3 OF 19 ZCA COPYRIGHT 2006 ACS on STN

141:25076 N-Aryl-4,5-diaminopyrazoles and hair dyes based on these compounds.. Goettel, Otto; Geibel, Wolfram; Morand, Emmanuel (Wella Ag, Germany). Ger. Offen. DE 10254506 A1 20040603, 20 pp. (German). CODEN: GWXXBX. APPLICATION: DE 2002-10254506 20021122.

GI



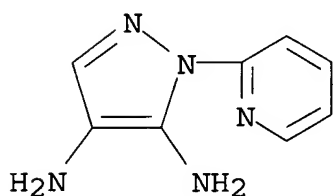
AB N-Aryl-4,5-diamino-pyrazole (I) or its physiol. compatible salts with org. or inorg. acids are claimed, whereby R1 and R2 are independent and can equal a hydrogen atom, a straight-chain or branched C1-6-alkyl group, a hydroxyl group, a straight-chain or branched C1-6-monohydroxyalkyl group, a straight-chain or branched C3-6-dihydroxyalkyl group, a straight-chain or branched C1-6-alkoxy group, a straight-chain or branched C1-6-hydroxyalkoxy group, a straight-chain or branched C3-6-dihydroxyalkoxy group, an amino group, a C1-4-monoalkylamino group, a di(C1-4)-alkylamino group, a halogen atom, a difluoromethyl group, or a trifluoromethyl group; Y is a nitrogen atom or a C-R3-group, whereby C is a carbon atom of an arom. ring and R3 is a hydrogen atom, a halogen atom, a straight-chain or branched C1-6-alkyl group, a straight-chain or branched C1-6-hydroxyalkyl group, a straight-chain or branched C1-6-alkoxy group, a straight-chain or branched C2-6-hydroxyalkoxy group, or a straight-chain or branched C2-6-alkoxyalkoxy group; X is an acid radical and n has a value from 0 to 3; the condition is that at least one of the R1, R2, or R3 is different from hydrogen when Y is equal to a CR3 group. These compds. are useful as oxidizing colors for keratin fibers, esp. for hair colors. Thus, 1-(4-methoxyphenyl)-4,5-diamino-1H-pyrazole dihydrochloride was prepd. in 3 stages. In the 1st stage 5-amino-1(4-methoxyphenyl)-1H-pyrazole was obtained by reacting 4-methoxyphenyl hydrazine hydrochloride with 3-dimethylaminoacrylonitrile, the obtained compd. was subsequently treated with HCl and isopentyl nitrite to obtain 5-amino-1-(4-methoxyphenyl)-4-nitrosopyrazole hydrochloride, and hydrogenation of this compd. over Pd catalyst gave the final compd. A hair dying compn. contg. the above obtained compd. and m-aminophenol coupling agent dyed hair to a red color.

IT 491871-70-6P 698391-39-8P 698391-40-1P
698391-41-2P 698391-42-3P 698391-43-4P
698391-44-5P 698391-45-6P 698391-46-7P
698391-47-8P 698391-49-0P

(prepn. of N-aryl-4,5-diaminopyrazoles and their use as hair dyes)

RN 491871-70-6 ZCA

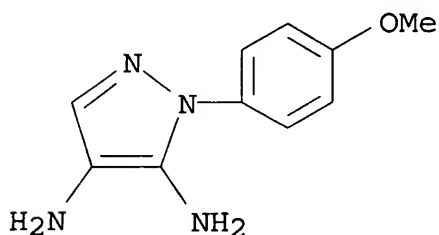
CN 1H-Pyrazole-4,5-diamine, 1-(2-pyridinyl)-, dihydrochloride (9CI)
(CA INDEX NAME)



●2 HCl

RN 698391-39-8 ZCA

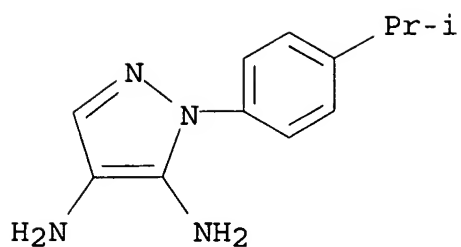
CN 1H-Pyrazole-4,5-diamine, 1-(4-methoxyphenyl)-, dihydrochloride (9CI)
(CA INDEX NAME)



●2 HCl

RN 698391-40-1 ZCA

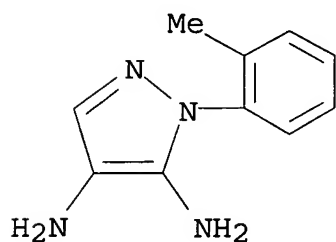
CN 1H-Pyrazole-4,5-diamine, 1-[4-(1-methylethyl)phenyl]-, dihydrochloride (9CI) (CA INDEX NAME)



●2 HCl

RN 698391-41-2 ZCA

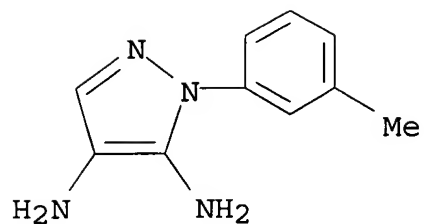
CN 1H-Pyrazole-4,5-diamine, 1-(2-methylphenyl)-, dihydrochloride (9CI)
(CA INDEX NAME)



●2 HCl

RN 698391-42-3 ZCA

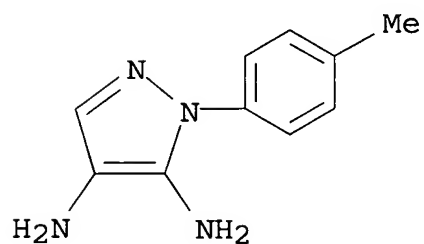
CN 1H-Pyrazole-4,5-diamine, 1-(3-methylphenyl)-, dihydrochloride (9CI)
(CA INDEX NAME)



●2 HCl

RN 698391-43-4 ZCA

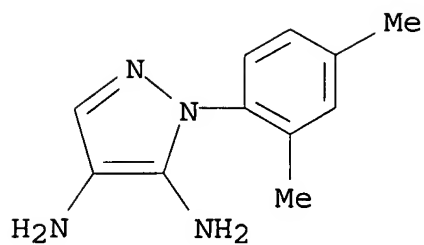
CN 1H-Pyrazole-4,5-diamine, 1-(4-methylphenyl)-, dihydrochloride (9CI)
(CA INDEX NAME)



●2 HCl

RN 698391-44-5 ZCA

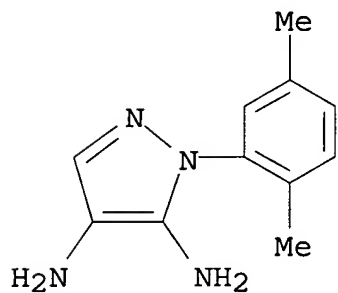
CN 1H-Pyrazole-4,5-diamine, 1-(2,4-dimethylphenyl)-, dihydrochloride
(9CI) (CA INDEX NAME)



●2 HCl

RN 698391-45-6 ZCA

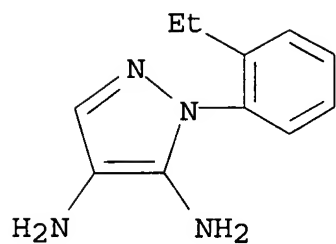
CN 1H-Pyrazole-4,5-diamine, 1-(2,5-dimethylphenyl)-, dihydrochloride
(9CI) (CA INDEX NAME)



●2 HCl

RN 698391-46-7 ZCA

CN 1H-Pyrazole-4,5-diamine, 1-(2-ethylphenyl)-, dihydrochloride (9CI)
(CA INDEX NAME)



●₂ HCl

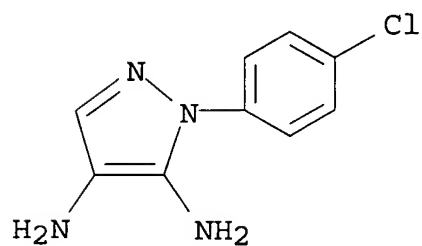
RN 698391-47-8 ZCA

CN 1H-Pyrazole-4,5-diamine, 1-(4-chlorophenyl)-, sulfate (2:1) (9CI)
(CA INDEX NAME)

CM 1

CRN 308279-62-1

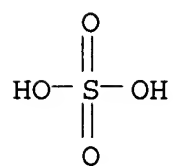
CMF C9 H9 Cl N4



CM 2

CRN 7664-93-9

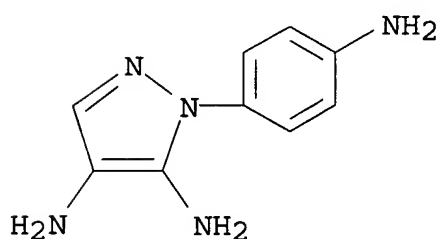
CMF H2 O4 S



RN 698391-49-0 ZCA
CN 1H-Pyrazole-4,5-diamine, 1-(4-aminophenyl)-, sulfate (1:1) (9CI)
(CA INDEX NAME)

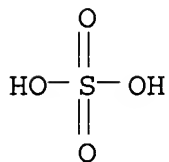
CM 1

CRN 698391-48-9
CMF C9 H11 N5



CM 2

CRN 7664-93-9
CMF H2 O4 S



IT 491871-70-6P 698391-39-8P 698391-40-1P
698391-41-2P 698391-42-3P 698391-43-4P
698391-44-5P 698391-45-6P 698391-46-7P
698391-47-8P 698391-49-0P
(prepn. of N-aryl-4,5-diaminopyrazoles and their use as hair
dyes)

L5 ANSWER 4 OF 19 ZCA COPYRIGHT 2006 ACS on STN
139:133497 A simple method for the preparation and selective
functionalization of 4,5-diaminopyrazoles. Blass, Benjamin E.;
Srivastava, Anil; Coburn, Keith R.; Faulkner, Amy L.; Seibel,

William L. (Health Care Research Center, Procter & Gamble Pharmaceuticals, Mason, OH, 45040, USA). Tetrahedron Letters, 44(14), 3009-3011 (English) 2003. CODEN: TELEAY. ISSN: 0040-4039. OTHER SOURCES: CASREACT 139:133497. Publisher: Elsevier Science Ltd..

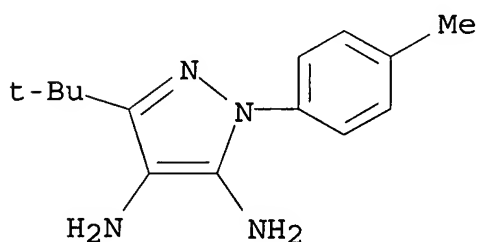
AB A simple procedure for the synthesis and further functionalization of 4,5-diaminopyrazoles using mild conditions is reported herein. The desired products were obtained in good yield, and the structures were confirmed by X-ray crystallog.

IT 565461-20-3P

(prepn. and selective functionalization of 4,5-diaminopyrazoles)

RN 565461-20-3 ZCA

CN 1H-Pyrazole-4,5-diamine, 3-(1,1-dimethylethyl)-1-(4-methylphenyl)-
(9CI) (CA INDEX NAME)



IT 565461-20-3P

(prepn. and selective functionalization of 4,5-diaminopyrazoles)

L5 ANSWER 5 OF 19 ZCA COPYRIGHT 2006 ACS on STN

138:138769 2-(Heteroaryl)-3,4-diaminopyrazoles and their use in oxidative hair dyes. Fessmann, Thilo; Terranova, Eric (L'oreal, Fr.). PCT Int. Appl. WO 2003008405 A1 20030130, 37 pp. DESIGNATED STATES: W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM; RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, CY, DE, DK, ES, FI, FR, GA, GB, GR, IE, IT, LU, MC, ML, MR, NE, NL, PT, SE, SN, TD, TG, TR. (French). CODEN: PIXXD2. APPLICATION: WO 2002-FR2397 20020709. PRIORITY: FR 2001-9622 20010718.

AB The invention concerns diaminopyrazoles and their physiologically acceptable salts. The invention also concerns their use as base

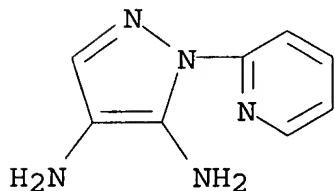
components to be used with couplers in oxidative hair dyes. Examples were given in which the beige dihydrochloride of 2-(2-pyridyl)-2H-pyrazole-3,4-diamine was obtained starting from 2-hydrazinopyridine and 3-ethoxyacrylonitrile. Applications of this base under alk. and neutral conditions using various aminophenol deriv. couplers were provided.

IT 491871-70-6P

(beige colored base component for dye; prodn. of pyrazolediamine heterocyclic derivs. for use in oxidative hair dyes)

RN 491871-70-6 ZCA

CN 1H-Pyrazole-4,5-diamine, 1-(2-pyridinyl)-, dihydrochloride (9CI)
(CA INDEX NAME)



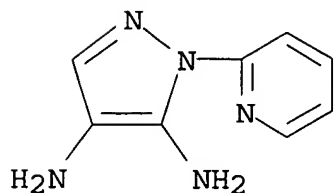
●2 HCl

IT 491871-72-8 491871-75-1 491871-77-3
491871-78-4 491871-79-5 491871-80-8
491871-82-0 491871-83-1 491871-87-5
491871-89-7 491871-90-0 491871-91-1
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491871-96-6 491871-97-7 491871-98-8
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491872-17-4 491872-18-5 491872-19-6
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491872-23-2

(pyrazolediamine heterocyclic derivs. for use in oxidative hair dyes)

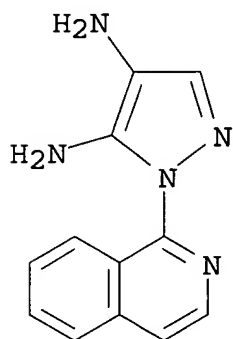
RN 491871-72-8 ZCA

CN 1H-Pyrazole-4,5-diamine, 1-(2-pyridinyl)- (9CI) (CA INDEX NAME)



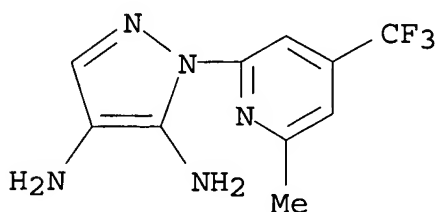
RN 491871-75-1 ZCA

CN 1H-Pyrazole-4,5-diamine, 1-(1-isoquinolinyl)- (9CI) (CA INDEX NAME)



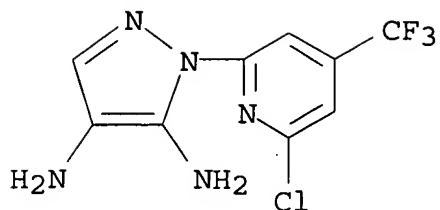
RN 491871-77-3 ZCA

CN 1H-Pyrazole-4,5-diamine, 1-[6-methyl-4-(trifluoromethyl)-2-pyridinyl]- (9CI) (CA INDEX NAME)



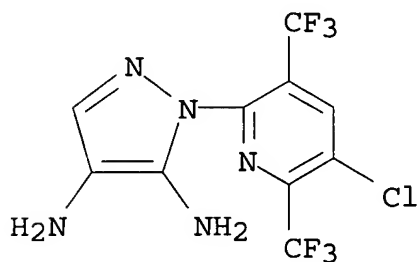
RN 491871-78-4 ZCA

CN 1H-Pyrazole-4,5-diamine, 1-[6-chloro-4-(trifluoromethyl)-2-pyridinyl]- (9CI) (CA INDEX NAME)



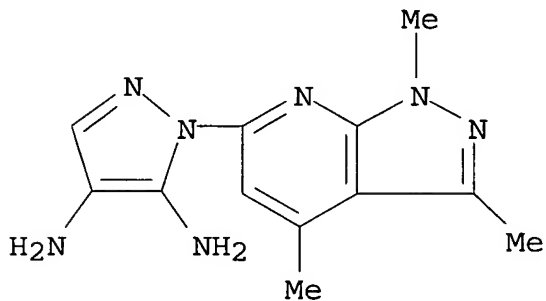
RN 491871-79-5 ZCA

CN 1H-Pyrazole-4,5-diamine, 1-[5-chloro-3,6-bis(trifluoromethyl)-2-pyridinyl]- (9CI) (CA INDEX NAME)



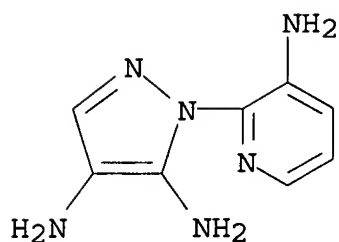
RN 491871-80-8 ZCA

CN 1H-Pyrazole-4,5-diamine, 1-(1,3,4-trimethyl-1H-pyrazolo[3,4-b]pyridin-6-yl)- (9CI) (CA INDEX NAME)



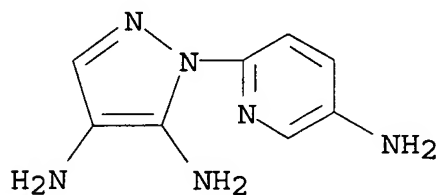
RN 491871-82-0 ZCA

CN 1H-Pyrazole-4,5-diamine, 1-(3-amino-2-pyridinyl)- (9CI) (CA INDEX NAME)



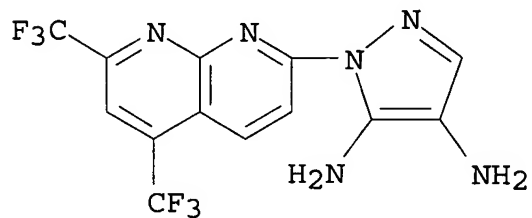
RN 491871-83-1 ZCA

CN 1H-Pyrazole-4,5-diamine, 1-(5-amino-2-pyridinyl)- (9CI) (CA INDEX NAME)



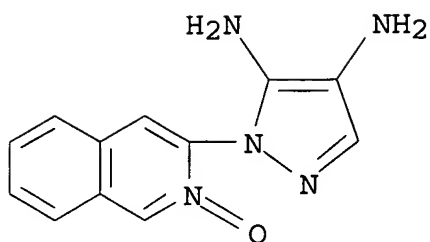
RN 491871-87-5 ZCA

CN 1H-Pyrazole-4,5-diamine, 1-[5,7-bis(trifluoromethyl)-1,8-naphthyridin-2-yl]- (9CI) (CA INDEX NAME)



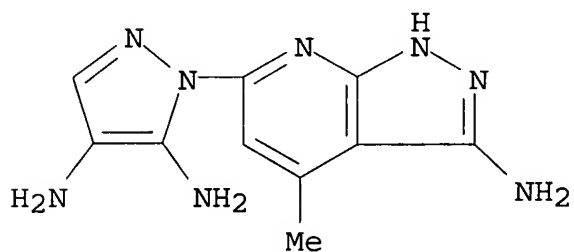
RN 491871-89-7 ZCA

CN 1H-Pyrazole-4,5-diamine, 1-(2-oxido-3-isoquinolinyl)- (9CI) (CA INDEX NAME)



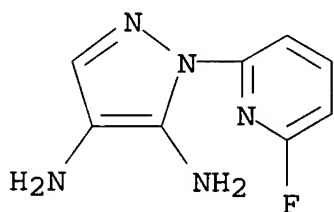
RN 491871-90-0 ZCA

CN 1H-Pyrazole-4,5-diamine, 1-(3-amino-4-methyl-1H-pyrazolo[3,4-b]pyridin-6-yl)- (9CI) (CA INDEX NAME)



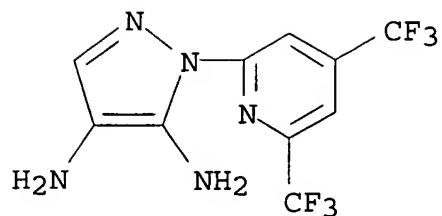
RN 491871-91-1 ZCA

CN 1H-Pyrazole-4,5-diamine, 1-(6-fluoro-2-pyridinyl)- (9CI) (CA INDEX NAME)



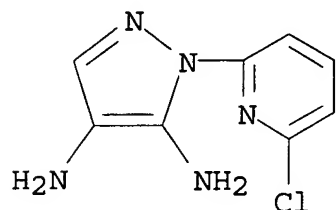
RN 491871-93-3 ZCA

CN 1H-Pyrazole-4,5-diamine, 1-[4,6-bis(trifluoromethyl)-2-pyridinyl]- (9CI) (CA INDEX NAME)



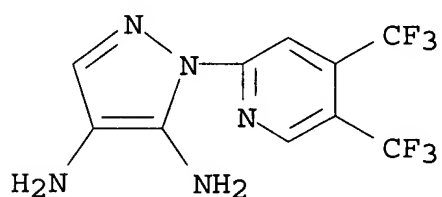
RN 491871-94-4 ZCA

CN 1H-Pyrazole-4,5-diamine, 1-(6-chloro-2-pyridinyl)- (9CI) (CA INDEX NAME)



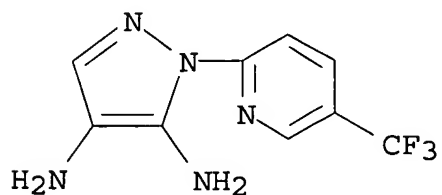
RN 491871-95-5 ZCA

CN 1H-Pyrazole-4,5-diamine, 1-[4,5-bis(trifluoromethyl)-2-pyridinyl]- (9CI) (CA INDEX NAME)



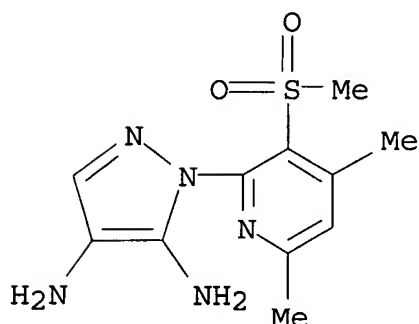
RN 491871-96-6 ZCA

CN 1H-Pyrazole-4,5-diamine, 1-[5-(trifluoromethyl)-2-pyridinyl]- (9CI) (CA INDEX NAME)



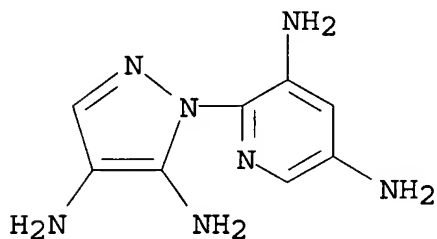
RN 491871-97-7 ZCA

CN 1H-Pyrazole-4,5-diamine, 1-[4,6-dimethyl-3-(methylsulfonyl)-2-pyridinyl]- (9CI) (CA INDEX NAME)



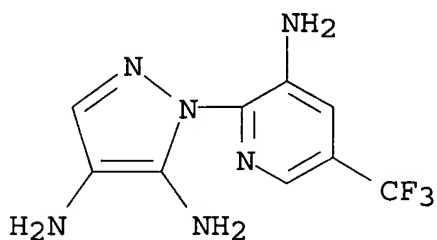
RN 491871-98-8 ZCA

CN 3,5-Pyridinediamine, 2-(4,5-diamino-1H-pyrazol-1-yl)- (9CI) (CA INDEX NAME)



RN 491871-99-9 ZCA

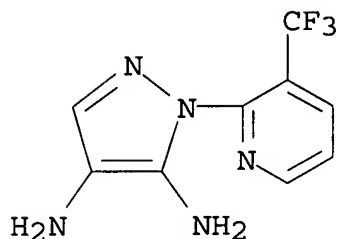
CN 1H-Pyrazole-4,5-diamine, 1-[3-amino-5-(trifluoromethyl)-2-pyridinyl]- (9CI) (CA INDEX NAME)



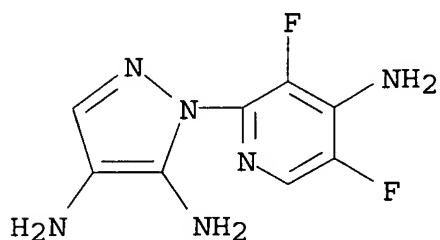
RN 491872-00-5 ZCA

CN 1H-Pyrazole-4,5-diamine, 1-[3-(trifluoromethyl)-2-pyridinyl]- (9CI)

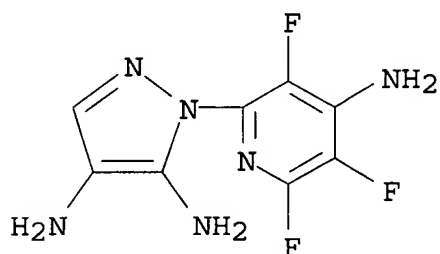
(CA INDEX NAME)



RN 491872-01-6 ZCA

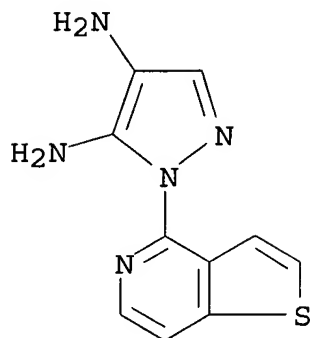
CN 1H-Pyrazole-4,5-diamine, 1-(4-amino-3,5-difluoro-2-pyridinyl)- (9CI)
(CA INDEX NAME)

RN 491872-02-7 ZCA

CN 1H-Pyrazole-4,5-diamine, 1-(4-amino-3,5,6-trifluoro-2-pyridinyl)-
(9CI) (CA INDEX NAME)

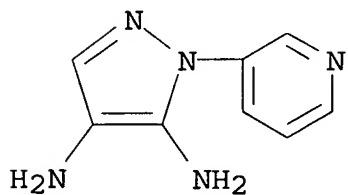
RN 491872-03-8 ZCA

CN 1H-Pyrazole-4,5-diamine, 1-thieno[3,2-c]pyridin-4-yl- (9CI) (CA
INDEX NAME)



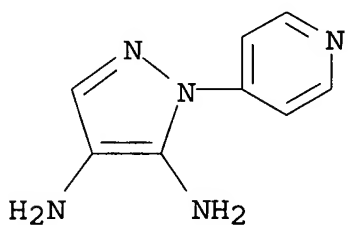
RN 491872-04-9 ZCA

CN 1H-Pyrazole-4,5-diamine, 1-(3-pyridinyl)- (9CI) (CA INDEX NAME)



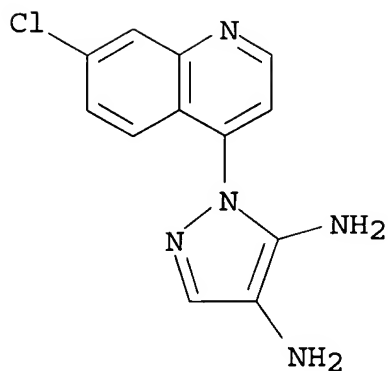
RN 491872-05-0 ZCA

CN 1H-Pyrazole-4,5-diamine, 1-(4-pyridinyl)- (9CI) (CA INDEX NAME)



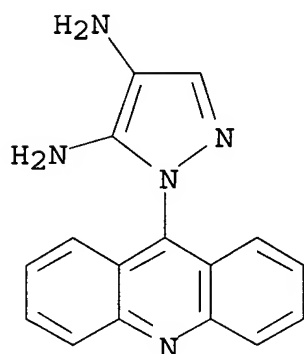
RN 491872-06-1 ZCA

CN 1H-Pyrazole-4,5-diamine, 1-(7-chloro-4-quinolinyl)- (9CI) (CA INDEX NAME)



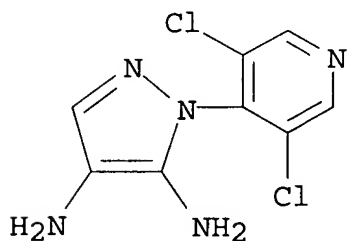
RN 491872-07-2 ZCA

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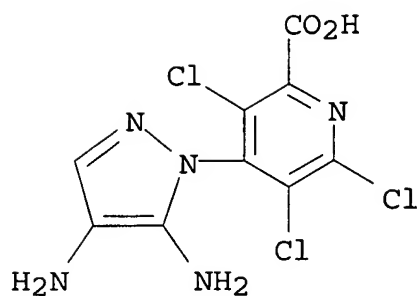
RN 491872-08-3 ZCA

CN 1H-Pyrazole-4,5-diamine, 1-(3,5-dichloro-4-pyridinyl)- (9CI) (CA INDEX NAME)



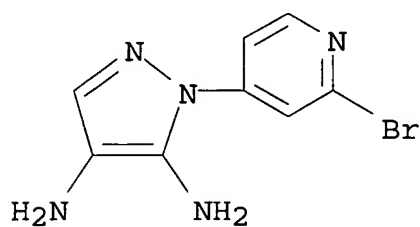
RN 491872-09-4 ZCA

CN 2-Pyridinecarboxylic acid, 3,5,6-trichloro-4-(4,5-diamino-1H-pyrazol-1-yl)- (9CI) (CA INDEX NAME)



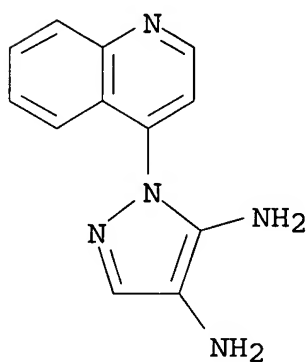
RN 491872-10-7 ZCA

CN 1H-Pyrazole-4,5-diamine, 1-(2-bromo-4-pyridinyl)- (9CI) (CA INDEX NAME)



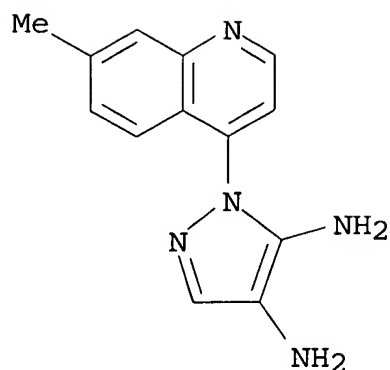
RN 491872-11-8 ZCA

CN 1H-Pyrazole-4,5-diamine, 1-(4-quinolinyl)- (9CI) (CA INDEX NAME)



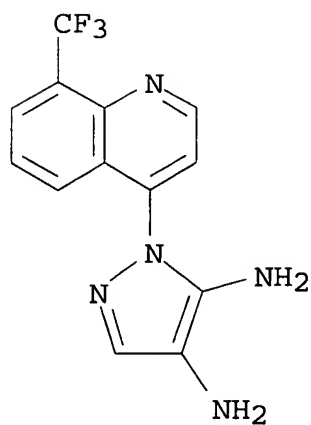
RN 491872-12-9 ZCA

CN 1H-Pyrazole-4,5-diamine, 1-(7-methyl-4-quinolinyl)- (9CI) (CA INDEX NAME)



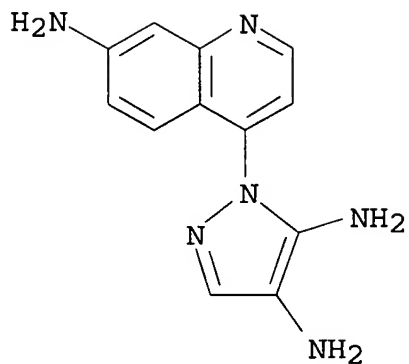
RN 491872-13-0 ZCA

CN 1H-Pyrazole-4,5-diamine, 1-[8-(trifluoromethyl)-4-quinolinyl]- (9CI)
(CA INDEX NAME)



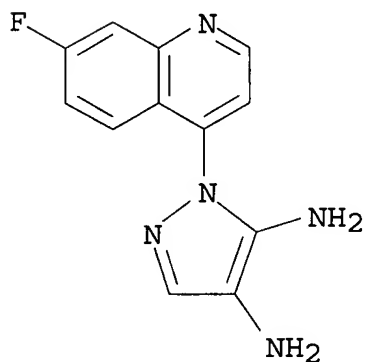
RN 491872-14-1 ZCA

CN 1H-Pyrazole-4,5-diamine, 1-(7-amino-4-quinolinyl)- (9CI) (CA INDEX
NAME)



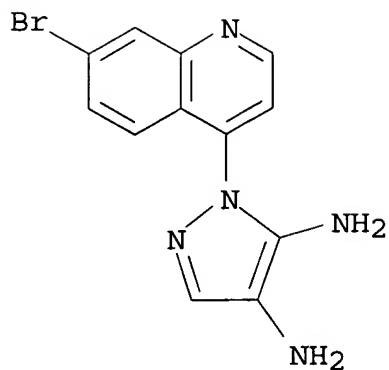
RN 491872-15-2 ZCA

CN 1H-Pyrazole-4,5-diamine, 1-(7-amino-4-quinolinyl)- (9CI) (CA INDEX NAME)



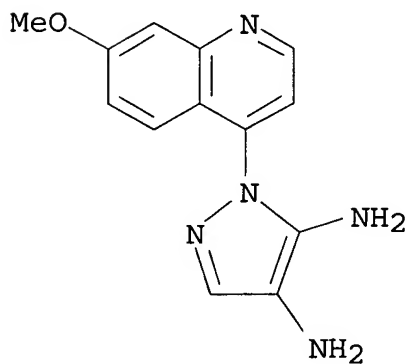
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CN 1H-Pyrazole-4,5-diamine, 1-(7-bromo-4-quinolinyl)- (9CI) (CA INDEX NAME)



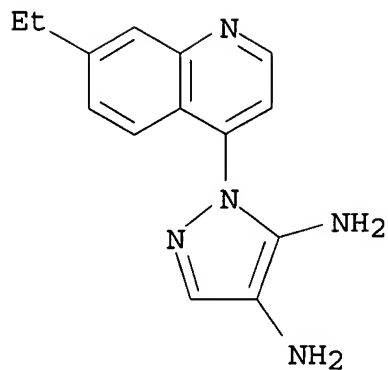
RN 491872-17-4 ZCA

CN 1H-Pyrazole-4,5-diamine, 1-(7-methoxy-4-quinolinyl)- (9CI) (CA INDEX NAME)



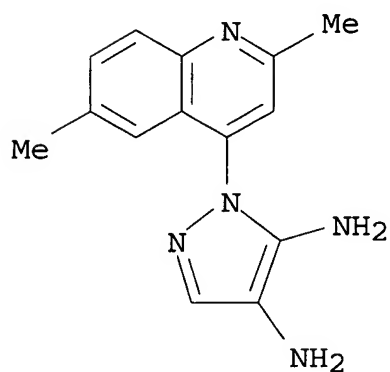
RN 491872-18-5 ZCA

CN 1H-Pyrazole-4,5-diamine, 1-(7-ethyl-4-quinolinyl)- (9CI) (CA INDEX NAME)



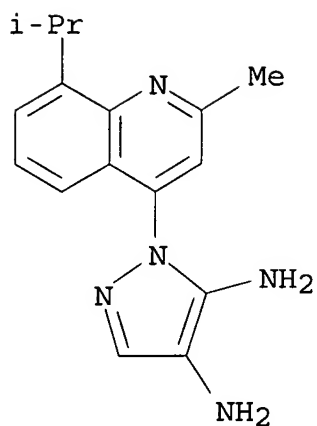
RN 491872-19-6 ZCA

CN 1H-Pyrazole-4,5-diamine, 1-(2,6-dimethyl-4-quinolinyl)- (9CI) (CA INDEX NAME)



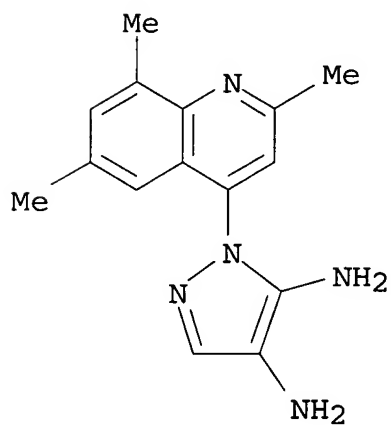
RN 491872-20-9 ZCA

CN 1H-Pyrazole-4,5-diamine, 1-[2-methyl-8-(1-methylethyl)-4-quinolinyl]- (9CI) (CA INDEX NAME)



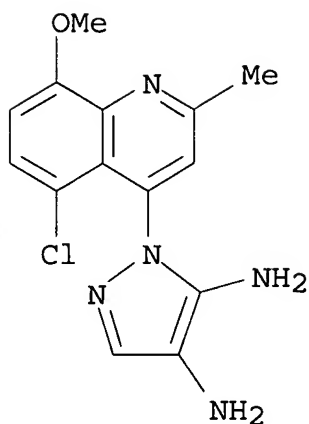
RN 491872-21-0 ZCA

CN 1H-Pyrazole-4,5-diamine, 1-(2,6,8-trimethyl-4-quinolinyl)- (9CI)
(CA INDEX NAME)



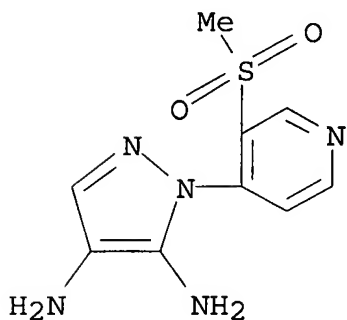
RN 491872-22-1 ZCA

CN 1H-Pyrazole-4,5-diamine, 1-(5-chloro-8-methoxy-2-methyl-4-quinolinyl)- (9CI) (CA INDEX NAME)



RN 491872-23-2 ZCA

CN 1H-Pyrazole-4,5-diamine, 1-[3-(methanesulfonyl)-4-pyridinyl]- (9CI)
(CA INDEX NAME)



IT 491871-70-6P

(beige colored base component for dye; prodn. of pyrazolediamine
heterocyclic derivs. for use in oxidative hair dyes)

IT 491871-72-8 491871-75-1 491871-77-3
491871-78-4 491871-79-5 491871-80-8
491871-82-0 491871-83-1 491871-87-5
491871-89-7 491871-90-0 491871-91-1
491871-93-3 491871-94-4 491871-95-5
491871-96-6 491871-97-7 491871-98-8
491871-99-9 491872-00-5 491872-01-6
491872-02-7 491872-03-8 491872-04-9
491872-05-0 491872-06-1 491872-07-2
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491872-11-8 491872-12-9 491872-13-0
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491872-17-4 491872-18-5 491872-19-6
491872-20-9 491872-21-0 491872-22-1
491872-23-2

(pyrazolediamine heterocyclic derivs. for use in oxidative hair dyes)

L5 ANSWER 6 OF 19 ZCA COPYRIGHT 2006 ACS on STN

137:83379 Oxidative hair dye composition for dyeing of keratinous fibers comprising a diamino pyrazole and a carbonyl compound. Cotteret, Jean (L'oreal, Fr.). PCT Int. Appl. WO 2002051373 A1 20020704, 40 pp. DESIGNATED STATES: W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM; RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, CY, DE, DK, ES, FI, FR, GA, GB, GR, IE, IT, LU, MC, ML, MR, NE, NL, PT, SE, SN, TD, TG, TR. (French). CODEN: PIXXD2. APPLICATION: WO 2001-FR3729 20011126. PRIORITY: FR 2000-16952 20001222.

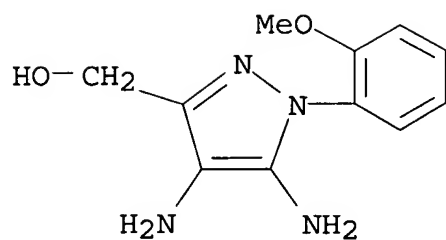
AB The invention concerns a compn. for oxidn. dyeing of keratinous fibers, in particular human keratinous fibers such as human hair, comprising at least an oxidn. base selected among 4,5 or 3,4-diamino pyrazoles and triamino pyrazoles, assocd. with at least a selected mineral compd. The invention also concerns a dyeing method using said compn. with an oxidizing agent. A hair dye contained 4,5-diamino-1- β -hydroxyethylpyrazole.2HCl 0.645, 3-amino-6-methylphenol 0.369, urea 0.1, water and other excipients q.s. 100 g. At the time of use equal amt. of dye is mixed with 20 vol. hydrogen peroxide and applied on the hair for 30 min., the hair is then rinsed with water, washed with shampoo, and dried to obtain a strong red color.

IT 184173-06-6 184173-07-7 184173-08-8
184173-10-2 184173-11-3 184173-12-4

(oxidative hair dye compn. for dyeing of keratinous fibers comprising diamino pyrazole and carbonyl compd.)

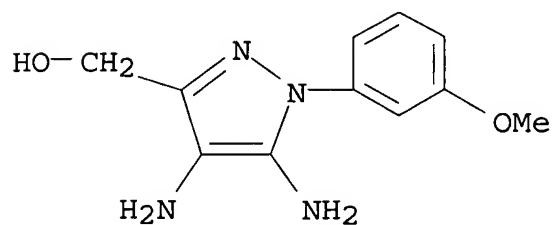
RN 184173-06-6 ZCA

CN 1H-Pyrazole-3-methanol, 4,5-diamino-1-(2-methoxyphenyl) - (9CI) (CA INDEX NAME)



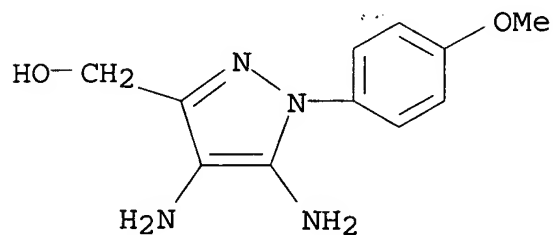
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CN 1H-Pyrazole-3-methanol, 4,5-diamino-1-(3-methoxyphenyl)- (9CI) (CA INDEX NAME)



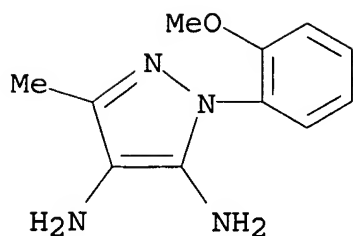
RN 184173-08-8 ZCA

CN 1H-Pyrazole-3-methanol, 4,5-diamino-1-(4-methoxyphenyl)- (9CI) (CA INDEX NAME)



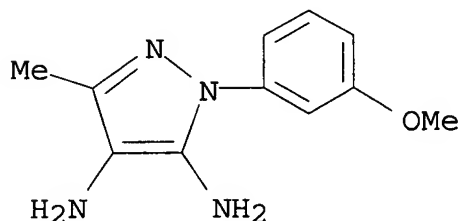
RN 184173-10-2 ZCA

CN 1H-Pyrazole-4,5-diamine, 1-(2-methoxyphenyl)-3-methyl- (9CI) (CA INDEX NAME)



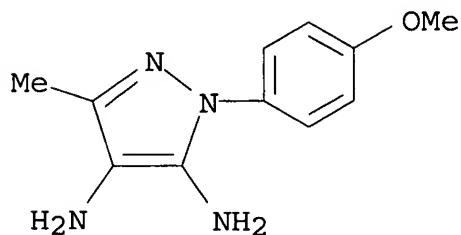
RN 184173-11-3 ZCA

CN 1H-Pyrazole-4,5-diamine, 1-(3-methoxyphenyl)-3-methyl- (9CI) (CA INDEX NAME)



RN 184173-12-4 ZCA

CN 1H-Pyrazole-4,5-diamine, 1-(4-methoxyphenyl)-3-methyl- (9CI) (CA INDEX NAME)



IT 184173-06-6 184173-07-7 184173-08-8

184173-10-2 184173-11-3 184173-12-4

(oxidative hair dye compn. for dyeing of keratinous fibers comprising diamino pyrazole and carbonyl compd.)

L5 ANSWER 7 OF 19 ZCA COPYRIGHT 2006 ACS on STN

137:83378 Oxidative hair dye composition for dyeing of keratinous fibers comprising an aminopyrazole derivative and a cellulose compound.

Cotteret, Jean (L'oreal, Fr.). PCT Int. Appl. WO 2002051372 A2

20020704, 34 pp. DESIGNATED STATES: W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM; RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, CY, DE, DK, ES, FI, FR, GA, GB, GR, IE, IT, LU, MC, ML, MR, NE, NL, PT, SE, SN, TD, TG, TR. (French). CODEN: PIXXD2. APPLICATION: WO 2001-FR3728 20011126. PRIORITY: FR 2000-16953 20001222.

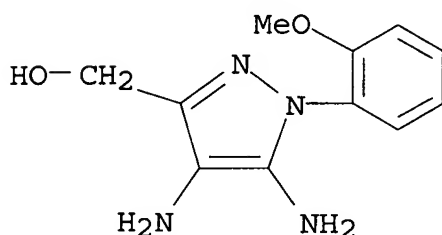
AB The invention concerns a compn. for oxidn. dyeing of keratinous fibers, in particular human keratinous fibers such as human hair, comprising at least an oxidn. base selected among 4,5 or 3,4-diamino pyrazoles and triamino pyrazoles, assocd. with at least a particular cellulose compd. The invention also concerns a dyeing method using said compn. with an oxidizing agent. A hair dye contained 4,5-diamino-1- β -hydroxyethylpyrazole.2HCl 0.645, 3-amino-6-methylphenol 0.369, Cepo S/100 (a cellulose deriv.) 0.1, water and other excipients q.s. 100 g. At the time of use equal amt. of dye is mixed with 20 vol. hydrogen peroxide and applied on the hair for 30 min., the hair is then rinsed with water, washed with shampoo, and dried to obtain a strong red color.

IT 184173-06-6 184173-07-7 184173-08-8
184173-10-2 184173-11-3 184173-12-4

(oxidative hair dye compn. for dyeing of keratinous fibers comprising aminopyrazole deriv. and cellulose compd.)

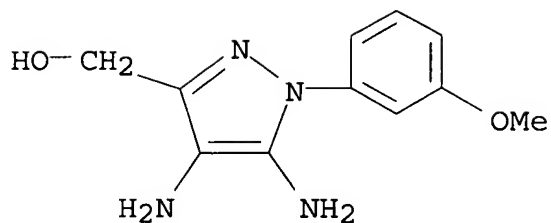
RN 184173-06-6 ZCA

CN 1H-Pyrazole-3-methanol, 4,5-diamino-1-(2-methoxyphenyl)- (9CI) (CA INDEX NAME)



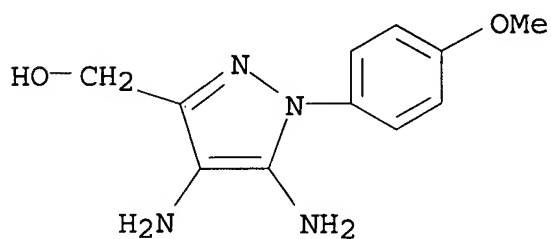
RN 184173-07-7 ZCA

CN 1H-Pyrazole-3-methanol, 4,5-diamino-1-(3-methoxyphenyl)- (9CI) (CA INDEX NAME)



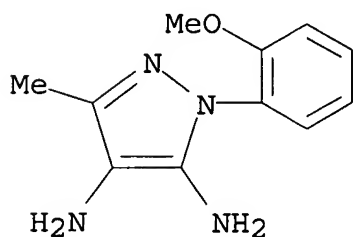
RN 184173-08-8 ZCA

CN 1H-Pyrazole-3-methanol, 4,5-diamino-1-(4-methoxyphenyl)- (9CI) (CA INDEX NAME)



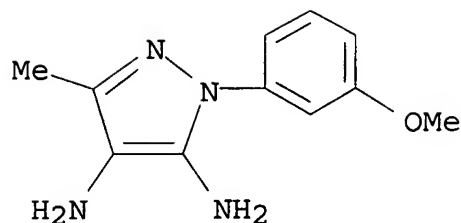
RN 184173-10-2 ZCA

CN 1H-Pyrazole-4,5-diamine, 1-(2-methoxyphenyl)-3-methyl- (9CI) (CA INDEX NAME)



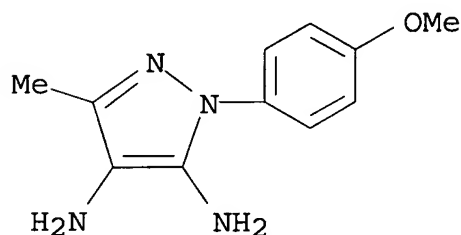
RN 184173-11-3 ZCA

CN 1H-Pyrazole-4,5-diamine, 1-(3-methoxyphenyl)-3-methyl- (9CI) (CA INDEX NAME)



RN 184173-12-4 ZCA

CN 1H-Pyrazole-4,5-diamine, 1-(4-methoxyphenyl)-3-methyl- (9CI) (CA INDEX NAME)



IT 184173-06-6 184173-07-7 184173-08-8
184173-10-2 184173-11-3 184173-12-4

(oxidative hair dye compn. for dyeing of keratinous fibers comprising aminopyrazole deriv. and cellulose compd.)

L5 ANSWER 8 OF 19 ZCA COPYRIGHT 2006 ACS on STN

137:83377 Oxidative hair dye composition for dyeing of keratinous fibers comprising an aminopyrazole and a mineral compound. Cotteret, Jean (L'oreal, Fr.). PCT Int. Appl. WO 2002051371 A1 20020704, 40 pp.

DESIGNATED STATES: W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM; RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, CY, DE, DK, ES, FI, FR, GA, GB, GR, IE, IT, LU, MC, ML, MR, NE, NL, PT, SE, SN, TD, TG, TR.

(French). CODEN: PIXXD2. APPLICATION: WO 2001-FR3726 20011126.

PRIORITY: FR 2000-16956 20001222.

AB The invention concerns a compn. for oxidn. dyeing of keratinous fibers, in particular human keratinous fibers such as human hair,

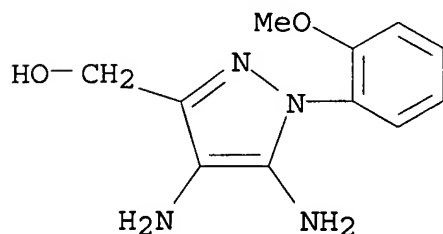
comprising at least an oxidn. base selected among 4,5 or 3,4-diamino pyrazoles and triamino pyrazoles, assocd. with at least a selected mineral compd. The invention also concerns a dyeing method using said compn. with an oxidizing agent. A hair dye contained 4,5-diamino-1- β -hydroxyethylpyrazole.2HCl 0.645, 3-amino-6-methylphenol 0.369, Acematt TS100 0.3, water and other excipients q.s. 100 g. At the time of use equal amt. of dye is mixed with 20 vol. hydrogen peroxide and applied on the hair for 30 min., the hair is then rinsed with water, washed with shampoo, and dried to obtain a strong red color.

IT 184173-06-6 184173-07-7 184173-08-8
184173-10-2 184173-11-3 184173-12-4

(oxidative hair dye compn. for dyeing of keratinous fibers comprising aminopyrazole and mineral compd.)

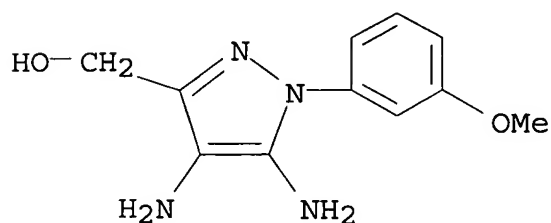
RN 184173-06-6 ZCA

CN 1H-Pyrazole-3-methanol, 4,5-diamino-1-(2-methoxyphenyl) - (9CI) (CA INDEX NAME)



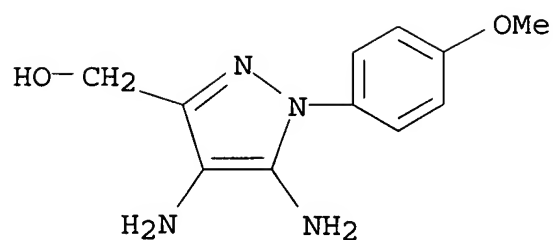
RN 184173-07-7 ZCA

CN 1H-Pyrazole-3-methanol, 4,5-diamino-1-(3-methoxyphenyl) - (9CI) (CA INDEX NAME)



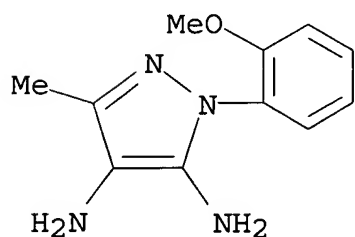
RN 184173-08-8 ZCA

CN 1H-Pyrazole-3-methanol, 4,5-diamino-1-(4-methoxyphenyl) - (9CI) (CA INDEX NAME)



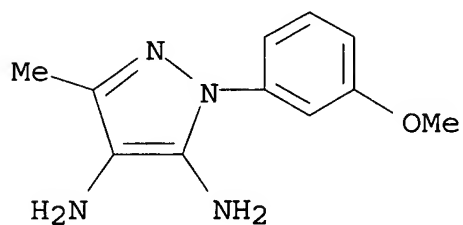
RN 184173-10-2 ZCA

CN 1H-Pyrazole-4,5-diamine, 1-(2-methoxyphenyl)-3-methyl- (9CI) (CA INDEX NAME)



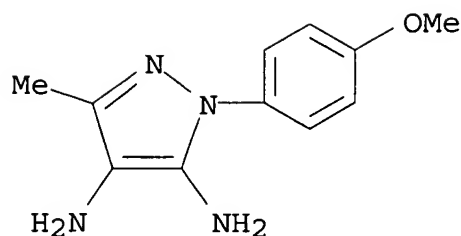
RN 184173-11-3 ZCA

CN 1H-Pyrazole-4,5-diamine, 1-(3-methoxyphenyl)-3-methyl- (9CI) (CA INDEX NAME)



RN 184173-12-4 ZCA

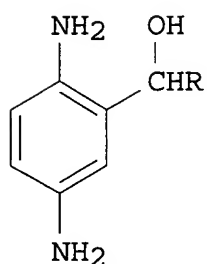
CN 1H-Pyrazole-4,5-diamine, 1-(4-methoxyphenyl)-3-methyl- (9CI) (CA INDEX NAME)



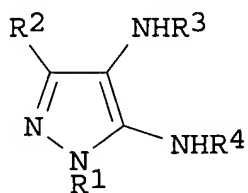
IT 184173-06-6 184173-07-7 184173-08-8
 184173-10-2 184173-11-3 184173-12-4
 (oxidative hair dye compn. for dyeing of keratinous fibers
 comprising aminopyrazole and mineral compd.)

L5 ANSWER 9 OF 19 ZCA COPYRIGHT 2006 ACS on STN
 136:156183 Oxydative hair dyes containing derivatives of
 2,5-Diamino-1-(1'-hydroxyalkyl)-benzene and 4,5-diaminopyrazole.
 Chassot, Laurent; Goettel, Otto; Braun, Hans-Juergen (Wella A.-G.,
 Germany). Ger. Offen. DE 10037158 A1 20020207, 8 pp. (German).
 CODEN: GWXXBX. APPLICATION: DE 2000-10037158 20000728.

GI



I



II

AB The invention concerns oxidative hair dyes that contain 2,5-diamino
 benzene derivs. (I), esp. 1,4-Diamino-2-(1-hydroxyethyl)benzene,
 1,4-Diamino-2-(1-hydroxypropyl)benzene and 4,5-diaminopyrazole
 derivs. (II). The dye compns. further contain couplers and direct
 dyes. Thus a compn. contained (g): 1,4-Diamino-2-(1-
 hydroxypropyl)benzene 0.3; 4,5-diamino-1(2-hydroxyethyl)-pyrazole
 sulfate 0.3; 1,3-dihydroxybenzene 0.2; 1-naphthol 0.3; sodium oleate

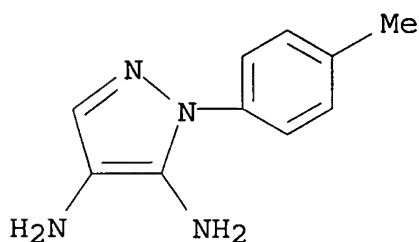
(8% aq. soln.) 10.0; ammonia (22% aq. soln.) 10.0; ethanol 10.0; ascorbic acid 0.3; water to 100.0. Directly before application, 30 g of the compn. was mixed with 30 g 6% hydrogen peroxide soln.; the product resulted red-brown hair color.

IT 308279-59-6 308279-60-9 308279-61-0
308279-62-1

(oxydative hair dyes contg. derivs. of 2,5-Diamino-1-(1'-hydroxyalkyl)-benzene and 4,5-diaminopyrazole)

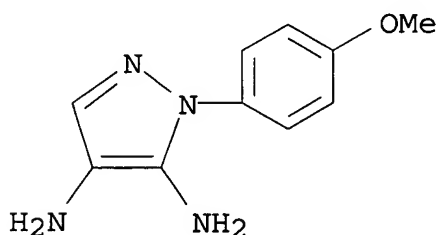
RN 308279-59-6 ZCA

CN 1H-Pyrazole-4,5-diamine, 1-(4-methylphenyl)- (9CI) (CA INDEX NAME)



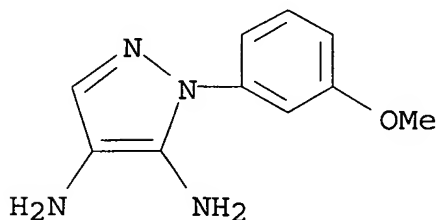
RN 308279-60-9 ZCA

CN 1H-Pyrazole-4,5-diamine, 1-(4-methoxyphenyl)- (9CI) (CA INDEX NAME)



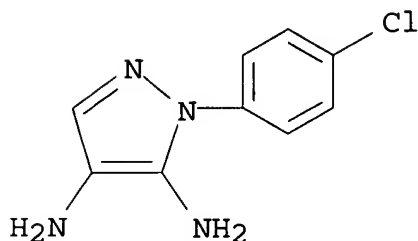
RN 308279-61-0 ZCA

CN 1H-Pyrazole-4,5-diamine, 1-(3-methoxyphenyl)- (9CI) (CA INDEX NAME)



RN 308279-62-1 ZCA

CN 1H-Pyrazole-4,5-diamine, 1-(4-chlorophenyl)- (9CI) (CA INDEX NAME)



IT 308279-59-6 308279-60-9 308279-61-0
308279-62-1

(oxydative hair dyes contg. derivs. of 2,5-Diamino-1-(1'-hydroxyalkyl)-benzene and 4,5-diaminopyrazole)

L5 ANSWER 10 OF 19 ZCA COPYRIGHT 2006 ACS on STN

134:331348 Diazacycloheptanes and diaminopyrazoles for dyeing of keratin fibers. Rose, David; Hoeffkes, Horst; Meinigke, Bernd (Henkel K.-G.a.A., Germany). Ger. Offen. DE 19951010 A1 20010426, 14 pp. (German). CODEN: GWXXBX. APPLICATION: DE 1999-19951010 19991022.

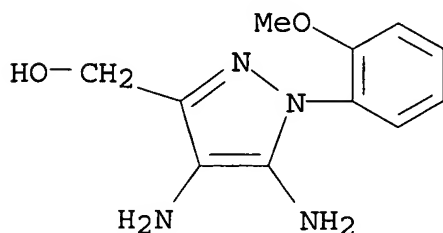
AB Title compds. are disclosed which are suitable for use in hair dye compns. Compds. of the invention include N,N'-bis(4-amino-3-methylphenyl)-1,4-diazacycloheptane and N,N'-bis(4-amino-3-methylphenyl)-1,4-diazacycloheptane. These may be combined with compds. such as 4,5-diaminopyrazole, 4,5-diamino-1-hydroxyethylpyrazole, etc.

IT 184173-06-6 184173-07-7 184173-08-8
184173-10-2 184173-11-3 184173-12-4

(diazacycloheptanes and diaminopyrazoles for dyeing of keratin fibers)

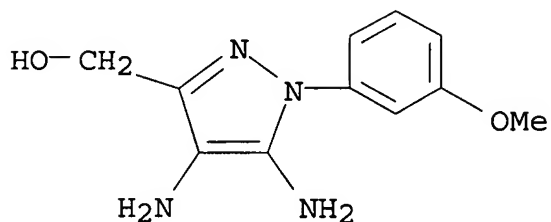
RN 184173-06-6 ZCA

CN 1H-Pyrazole-3-methanol, 4,5-diamino-1-(2-methoxyphenyl)- (9CI) (CA INDEX NAME)



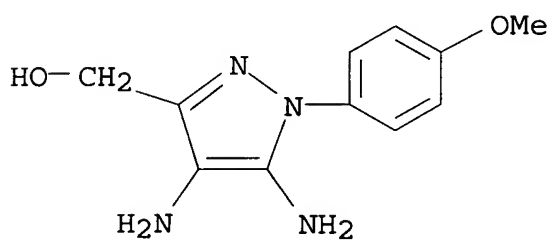
RN 184173-07-7 ZCA

CN 1H-Pyrazole-3-methanol, 4,5-diamino-1-(3-methoxyphenyl)- (9CI) (CA INDEX NAME)



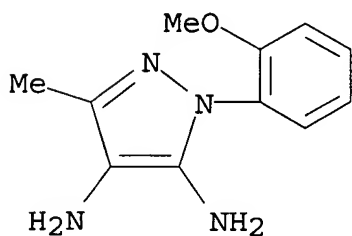
RN 184173-08-8 ZCA

CN 1H-Pyrazole-3-methanol, 4,5-diamino-1-(4-methoxyphenyl)- (9CI) (CA INDEX NAME)



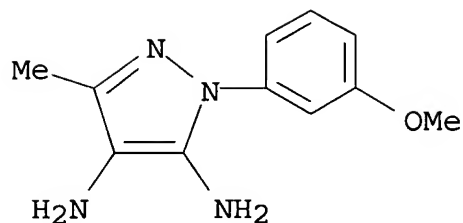
RN 184173-10-2 ZCA

CN 1H-Pyrazole-4,5-diamine, 1-(2-methoxyphenyl)-3-methyl- (9CI) (CA INDEX NAME)



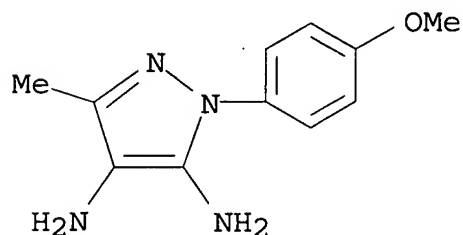
RN 184173-11-3 ZCA

CN 1H-Pyrazole-4,5-diamine, 1-(3-methoxyphenyl)-3-methyl- (9CI) (CA INDEX NAME)



RN 184173-12-4 ZCA

CN 1H-Pyrazole-4,5-diamine, 1-(4-methoxyphenyl)-3-methyl- (9CI) (CA INDEX NAME)



IT 184173-06-6 184173-07-7 184173-08-8

184173-10-2 184173-11-3 184173-12-4

(diazacycloheptanes and diaminopyrazoles for dyeing of keratin fibers)

L5 ANSWER 11 OF 19 ZCA COPYRIGHT 2006 ACS on STN

134:9137 Hair dyes for keratin fibers. (Wella A.-G., Germany). Ger. Gebrauchsmusterschrift DE 20013156 U1 20001123, 26 pp. (German). CODEN: GGXXFR. APPLICATION: DE 2000-20013156 20000728.

AB An agent for oxidative coloring of keratin fibers is disclosed which consists of a combination of a developer and a coupling agent and is characterized by comprising (a) at least one 2,5-diamino-1-(1'-hydroxyalkyl)benzene deriv. and (b) at least one 4,5-diaminopyrazole deriv. or their physiol. acceptable salts.

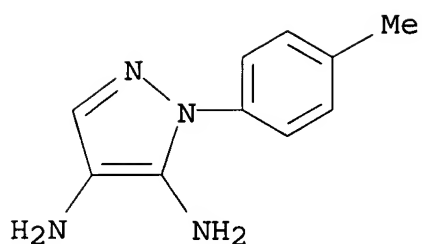
IT 308279-59-6 308279-60-9 308279-61-0

308279-62-1

(oxidative hair dyes for keratin fibers)

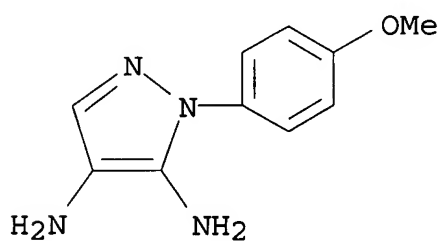
RN 308279-59-6 ZCA

CN 1H-Pyrazole-4,5-diamine, 1-(4-methylphenyl)- (9CI) (CA INDEX NAME)



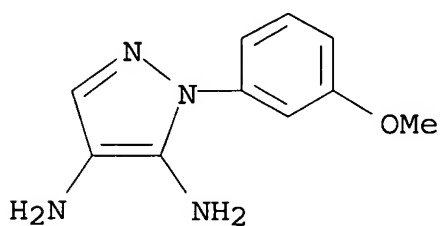
RN 308279-60-9 ZCA

CN 1H-Pyrazole-4,5-diamine, 1-(4-methoxyphenyl)- (9CI) (CA INDEX NAME)



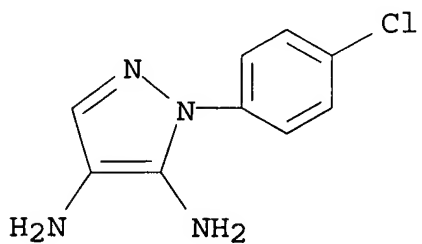
RN 308279-61-0 ZCA

CN 1H-Pyrazole-4,5-diamine, 1-(3-methoxyphenyl)- (9CI) (CA INDEX NAME)



RN 308279-62-1 ZCA

CN 1H-Pyrazole-4,5-diamine, 1-(4-chlorophenyl)- (9CI) (CA INDEX NAME)



IT 308279-59-6 308279-60-9 308279-61-0
308279-62-1
(oxidative hair dyes for keratin fibers)

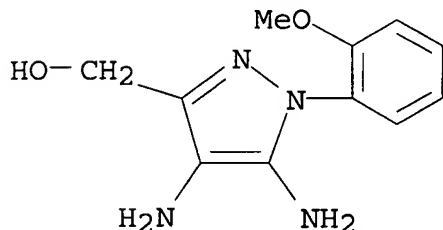
L5 ANSWER 12 OF 19 ZCA COPYRIGHT 2006 ACS on STN
130:227508 Oxidative hair dye compositions containing pyrazole derivatives and meta-aminophenol derivatives. Maubru, Mireille; Audousset, Marie-Pascale (L'Oreal, Fr.). PCT Int. Appl. WO 9911231 A1 19990311, 39 pp. DESIGNATED STATES: W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM; RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, CY, DE, DK, ES, FI, FR, GA, GB, GR, IE, IT, LU, MC, ML, MR, NE, NL, PT, SE, SN, TD, TG. (French). CODEN: PIXXD2. APPLICATION: WO 1998-FR1591 19980720. PRIORITY: FR 1997-10857 19970901.

AB An oxidn. dyeing compn. for keratin fibers, in particular human keratin fibers such as hair, comprises at least an oxidn. base selected among diamino pyrazoles and triamino pyrazoles, combined with at least a meta-aminophenol halogenated in the phenol ortho as coupler, and the dyeing method using said compn. with an oxidizing agent. A hair dye compn. contained 4,5-diamino-1-ethyl-3-methylpyrazole 0.639, 3-amino-6-chlorophenol 0.431, excipients and water q.s. 100 g.

IT 184173-06-6 184173-07-7 184173-08-8
184173-10-2 184173-11-3 184173-12-4
(oxidative hair dye compns. contg. pyrazole derivs. and meta-aminophenol derivs.)

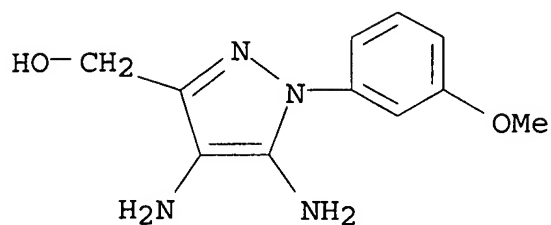
RN 184173-06-6 ZCA

CN 1H-Pyrazole-3-methanol, 4,5-diamino-1-(2-methoxyphenyl)- (9CI) (CA INDEX NAME)



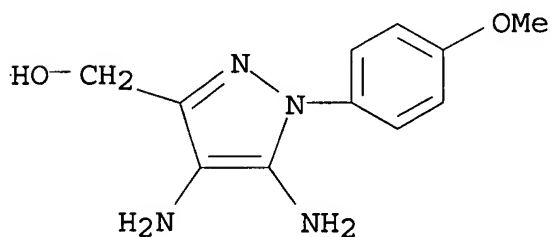
RN 184173-07-7 ZCA

CN 1H-Pyrazole-3-methanol, 4,5-diamino-1-(3-methoxyphenyl)- (9CI) (CA
INDEX NAME)



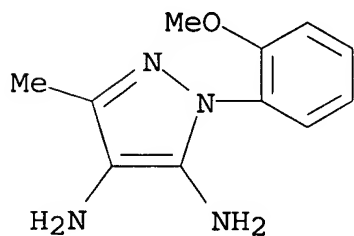
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CN 1H-Pyrazole-3-methanol, 4,5-diamino-1-(4-methoxyphenyl)- (9CI) (CA
INDEX NAME)



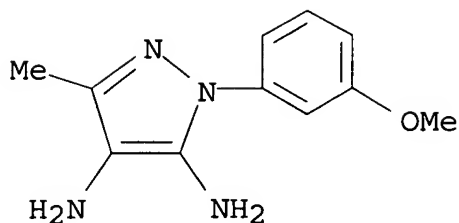
RN 184173-10-2 ZCA

CN 1H-Pyrazole-4,5-diamine, 1-(2-methoxyphenyl)-3-methyl- (9CI) (CA
INDEX NAME)



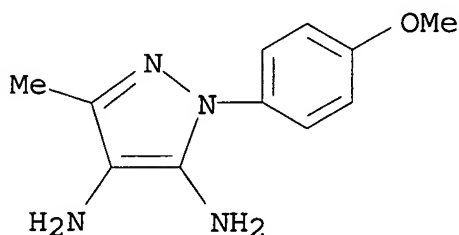
RN 184173-11-3 ZCA

CN 1H-Pyrazole-4,5-diamine, 1-(3-methoxyphenyl)-3-methyl- (9CI) (CA
INDEX NAME)



RN 184173-12-4 ZCA

CN 1H-Pyrazole-4,5-diamine, 1-(4-methoxyphenyl)-3-methyl- (9CI) (CA
INDEX NAME)



IT 184173-06-6 184173-07-7 184173-08-8

184173-10-2 184173-11-3 184173-12-4

(oxidative hair dye compns. contg. pyrazole derivs. and
meta-aminophenol derivs.)

L5 ANSWER 13 OF 19 ZCA COPYRIGHT 2006 ACS on STN

127:50586 A new efficient route to imidazo[4,5-c]pyrazol-5-ones.

Vicentini, Chiara B.; Veronese, Augusto C.; Manfrini, Maurizio

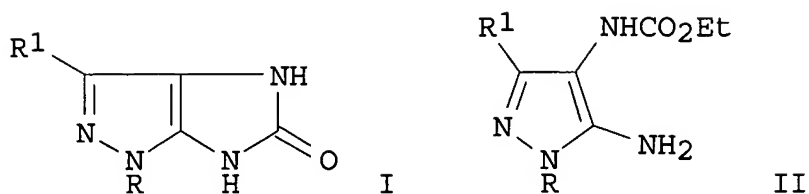
(Dipartimento di Scienze, Universita degli Studi, Ferrara, 44100,

Italy). Journal of Heterocyclic Chemistry, 34(2), 629-632 (English)

1997. CODEN: JHTCAD. ISSN: 0022-152X. Publisher:

HeteroCorporation.

GI

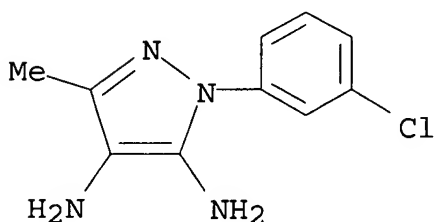


AB The synthesis of imidazo[4,5-c]pyrazol-5-ones I (R' = Me, H, Ph, 4-ClC₆H₄, 3-ClC₆H₄, CMe₃) is reported. 5-Amino-4-ethoxycarbonylaminopyrazoles II when heated at 200° for 2 h afford I. In a similar manner, imidazo[4,5-c]pyrazol-5-one I (R = Ph, R' = Me) is readily obtained from 4-amino-5-ethoxycarbonylamino-3-methyl-1-phenylpyrazole.

IT **125835-93-0P 191230-70-3P**
(prepn. of imidazopyrazolones)

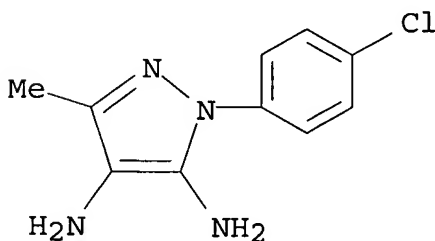
RN 125835-93-0 ZCA

CN 1H-Pyrazole-4,5-diamine, 1-(3-chlorophenyl)-3-methyl- (9CI) (CA INDEX NAME)



RN 191230-70-3 ZCA

CN 1H-Pyrazole-4,5-diamine, 1-(4-chlorophenyl)-3-methyl- (9CI) (CA INDEX NAME)



IT **125835-93-0P 191230-70-3P**

(prepn. of imidazopyrazolones)

L5 ANSWER 14 OF 19 ZCA COPYRIGHT 2006 ACS on STN

126:22785 Oxidative hair day compositions containing diaminopyrazoles derivatives. Vidal, Laurent; Burande, Agnes; Malle, Gerard; Hocquaux, Michel (Oreal S. A., Fr.). Eur. Pat. Appl. EP 740931 A1 19961106, 32 pp. DESIGNATED STATES: R: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE. (French). CODEN: EPXXDW. APPLICATION: EP 1996-400950 19960503. PRIORITY: FR 1995-5422 19950505.

AB The title compns. are claimed. Thus, 5-amino-1,3-dimethyl-4-nitrosopyrazole was hydrogenated and treated with HCl to obtain 4,5-diamino-1,3-dimethylpyrazole.2HCl (I). A hair dye compn. contained I 0.597, 2,6-dihydroxy-4-methylpyridine dihydrochloride monohydrate 0.530, excipients and water q.s. 100 g. At the time of use, the compn. is mixed with equal amt. of 20 vol. hydrogen peroxide and applied for 30 min on the hair.

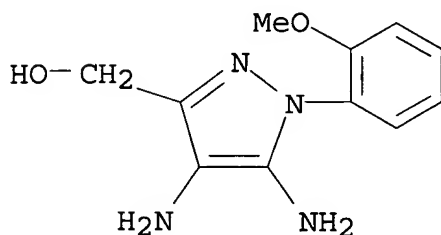
IT 184173-06-6P 184173-07-7P 184173-08-8P

184173-10-2P 184173-11-3P 184173-12-4P

(oxidative hair dye compns. contg. diaminopyrazoles derivs.)

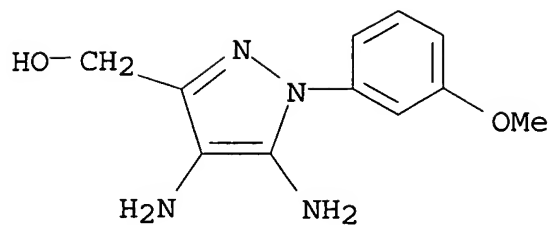
RN 184173-06-6 ZCA

CN 1H-Pyrazole-3-methanol, 4,5-diamino-1-(2-methoxyphenyl)- (9CI) (CA INDEX NAME)



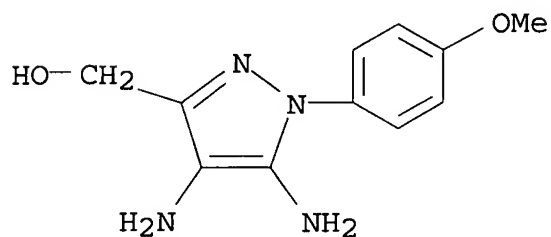
RN 184173-07-7 ZCA

CN 1H-Pyrazole-3-methanol, 4,5-diamino-1-(3-methoxyphenyl)- (9CI) (CA INDEX NAME)



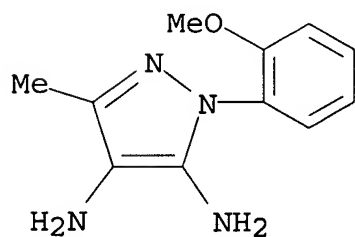
RN 184173-08-8 ZCA

CN 1H-Pyrazole-3-methanol, 4,5-diamino-1-(4-methoxyphenyl)- (9CI) (CA INDEX NAME)



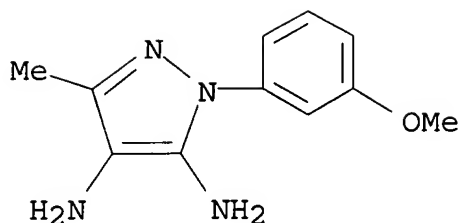
RN 184173-10-2 ZCA

CN 1H-Pyrazole-4,5-diamine, 1-(2-methoxyphenyl)-3-methyl- (9CI) (CA INDEX NAME)



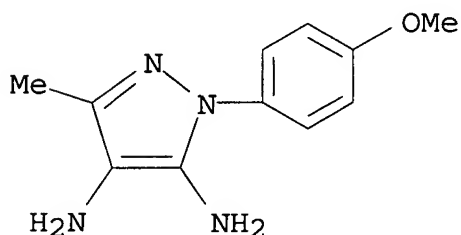
RN 184173-11-3 ZCA

CN 1H-Pyrazole-4,5-diamine, 1-(3-methoxyphenyl)-3-methyl- (9CI) (CA INDEX NAME)



RN 184173-12-4 ZCA

CN 1H-Pyrazole-4,5-diamine, 1-(4-methoxyphenyl)-3-methyl- (9CI) (CA
INDEX NAME)



IT 184173-06-6P 184173-07-7P 184173-08-8P

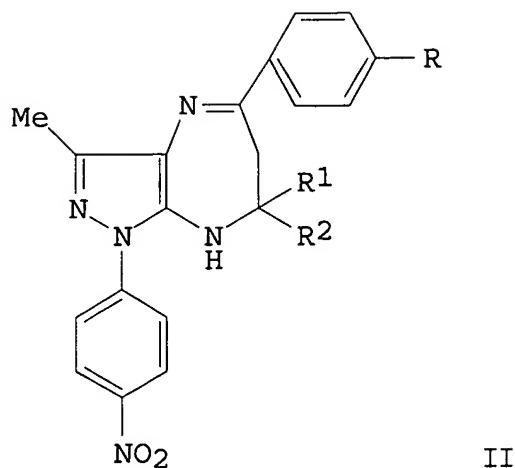
184173-10-2P 184173-11-3P 184173-12-4P

(oxidative hair dye compns. contg. diaminopyrazoles derivs.)

L5 ANSWER 15 OF 19 ZCA COPYRIGHT 2006 ACS on STN

118:38896 Reaction of substituted 4,5-diaminopyrazoles with chalcones and acetylarenes. Orlov, V. D.; Kolos, N. N.; Kiroga, H.; Kaluski, Z.; Figas, E.; Potekhin, K. A. (Khar'k. Gos. Univ., Kharkov, 310077, Ukraine). Khimiya Geterotsiklicheskikh Soedinenii (4), 506-10 (Russian) 1992. CODEN: KGSSAQ. ISSN: 0132-6244.

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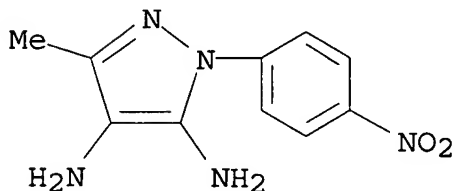
AB Treating 3-methyl-1-(4-nitrophenyl)pyrazole-4,5-diamine (I) with PhCH:CHCOC₆H₄R-4 or MeCOC₆H₄R-4 (R = H, NO₂) gave 45-75% pyrazolodiazepines II (R₁ = H, Me, R₂ = Ph, C₆H₄R-4). Condensing I with 4-O₂NC₆H₄CHO gave 85% of the corresponding bis(Schiff base).

IT **122128-85-2**

(cyclocondensation of, with chalcones and acetophenones, pyrazolodiazepines from)

RN 122128-85-2 ZCA

CN 1H-Pyrazole-4,5-diamine, 3-methyl-1-(4-nitrophenyl)- (9CI) (CA INDEX NAME)



IT **122128-85-2**

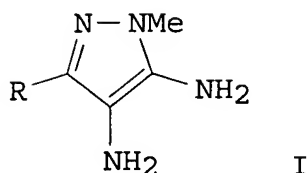
(cyclocondensation of, with chalcones and acetophenones, pyrazolodiazepines from)

L5 ANSWER 16 OF 19 ZCA COPYRIGHT 2006 ACS on STN

116:128764 A method for the synthesis of 3-aryl- and 3-heterocyclic-substituted 4,5-diaminopyrazoles, and the application of two-dimensional NMR to assign the structures of 3-aryl- and

3-heterocyclic-substituted 5-amino-1-methyl-4-nitrosopyrazoles.
Fray, M. Jonathan; Bull, David J.; Kinns, Michael (Pfizer Cent.
Res., Sandwich/Kent, CT13 9NJ, UK). Journal of Chemical Research,
Synopsis (1), 10-11 (English) 1992. CODEN: JRPSDC. ISSN:
0308-2342. OTHER SOURCES: CASREACT 116:128764.

GI



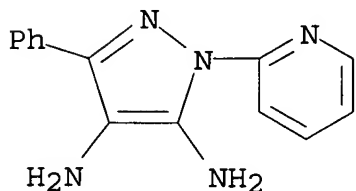
AB 3-Aryl- and 3-heterocyclic-substituted 4,5-diaminopyrazoles I (R = Ph, substituted Ph, 2-thienyl, 3-, 4-pyridyl) were prepd. by nitrosation of the β -ketonitriles and condensation of the resulting α -hydroxyimino- β -ketonitriles with substituted hydrazines to form 5-amino-4-nitrosopyrazoles followed by catalytic hydrogenation. The substitution pattern of four 5-amino-4-nitrosopyrazoles was established by the measurement of long-range proton-carbon correlation spectra.

IT 132026-40-5P

(prepn. of)

RN 132026-40-5 ZCA

CN 1H-Pyrazole-4,5-diamine, 3-phenyl-1-(2-pyridinyl)- (9CI) (CA INDEX NAME)



L5 ANSWER 17 OF 19 ZCA COPYRIGHT 2006 ACS on STN

114:81900 Preparation of (heterocyclylphenyl)diazepines as platelet activating factor antagonists. Cooper, Kelvin; Fray, Michael Jonathan (Pfizer Ltd., UK; Pfizer Inc.). Eur. Pat. Appl. EP 389189 A2 19900926, 118 pp. DESIGNATED STATES: R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE. (English). CODEN: EPXXDW. APPLICATION: EP 1990-302826 19900315. PRIORITY: GB 1989-6813 19890323; GB 1989-262461 19890630.

GI For diagram(s), see printed CA Issue.

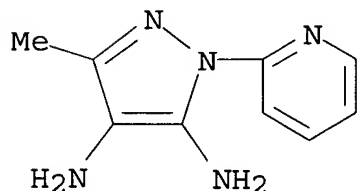
AB The title compds. [I, II, and III; A = atoms to complete a (substituted) benzene, pyridine, naphthalene, quinoline, thiophene, benzothiophene, pyrazole, or isothiazole ring; B = atoms to complete a (substituted) 5- or 6-membered heterocyclic ring; R1 = H, (substituted) alkyl; R2, R3 = H, alkyl; R4 = (arom.-fused) (substituted) 5-membered heterocyclyl, pyridyl X = O, S, NH; Y = 1,4-C6H4, 2,5-pyridylene], were prepd. as platelet activating factor (PAF) antagonists (no data). Thus, a mixt. of 1,2-diaminobenzene and Et 4'-(2-methylimidazo[4,5-c]pyrid-1-yl)benzoylacetate [prepn. from BrCH2CO2Et and 1-(4-cyanophenyl)-2-methylimidazo[4,5-c]pyridine given] in PhMe was refluxed 5 h to give title compd. IV.

IT 132026-24-5P 132026-40-5P

(prepn. of, as intermediate for diazepine platelet activating factor antagonist)

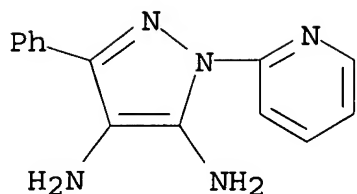
RN 132026-24-5 ZCA

CN 1H-Pyrazole-4,5-diamine, 3-methyl-1-(2-pyridinyl)- (9CI) (CA INDEX NAME)



RN 132026-40-5 ZCA

CN 1H-Pyrazole-4,5-diamine, 3-phenyl-1-(2-pyridinyl)- (9CI) (CA INDEX NAME)



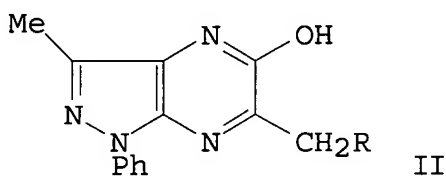
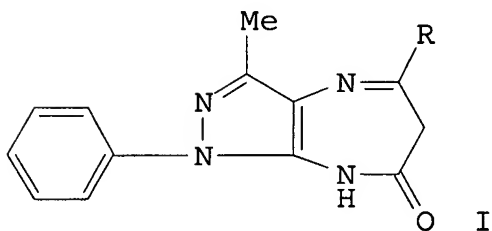
IT 132026-24-5P 132026-40-5P

(prepn. of, as intermediate for diazepine platelet activating factor antagonist)

L5 ANSWER 18 OF 19 ZCA COPYRIGHT 2006 ACS on STN

112:139007 Synthesis of pyrazolo[3,4-b][1,4]diazepines and pyrazolo[3,4-b]pyrazines. Colombo, Augusto; Frigola, Jordi; Pares, Juan; Andaluz, Blas (Dep. Med. Chem., Lab. Dr. Esteve, Barcelona, 08026, Spain). Journal of Heterocyclic Chemistry, 26(4), 949-55 (English) 1989. CODEN: JHTCAD. ISSN: 0022-152X. OTHER SOURCES: CASREACT 112:139007.

GI



AB The synthesis and structure elucidation of new pyrazolo[3,4-b][1,4]diazepines, e.g., I [R = Ph, C6H4Cl-4, C6H4CF3-3, C6H2(OMe)3-3,4,5], and pyrazolo[3,4-b]pyrazines, e.g., II (R = Ph, C6H4Cl-2, -3 and -4) are reported, and the characterization of isomers and tautomers by ¹H and ¹³C NMR is discussed.

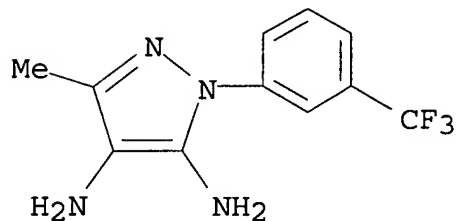
IT 125835-92-9 125835-93-0

(cyclocondensation of, with benzils, pyrazolotriazine from)

RN 125835-92-9 ZCA

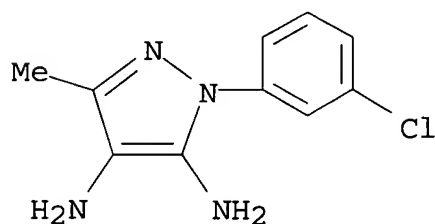
CN 1H-Pyrazole-4,5-diamine, 3-methyl-1-[3-(trifluoromethyl)phenyl]-

(9CI) (CA INDEX NAME)



RN 125835-93-0 ZCA

CN 1H-Pyrazole-4,5-diamine, 1-(3-chlorophenyl)-3-methyl- (9CI) (CA INDEX NAME)



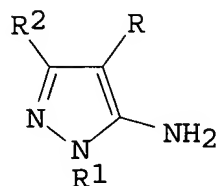
IT 125835-92-9 125835-93-0

(cyclocondensation of, with benzils, pyrazolotriazine from)

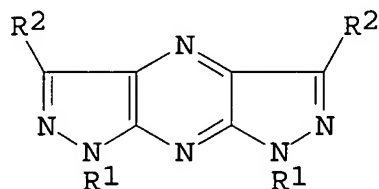
L5 ANSWER 19 OF 19 ZCA COPYRIGHT 2006 ACS on STN

111:97183 Bispirazolo[3,4-b:4',3'-e]pyrazines - products of 4,5-diaminopyrazole self-condensation. Orlov, V. D.; Quiroga, J.; Kolos, N. N. (Khar'k. Gos. Univ., Kharkov, 310077, USSR). Khimiya Geterotsiklicheskikh Soedinenii (9), 1222-5 (Russian) 1988. CODEN: KGSSAQ. ISSN: 0453-8234. OTHER SOURCES: CASREACT 111:97183.

GI



I



II

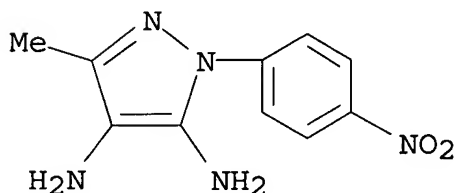
AB Pyrazolediamines I (R = NH₂, R₁ = aryl, H; R₂ = Ph, Me) underwent self-condensation on heating in toluene to afford bispyrazolopyrazines II. The latter were also obtained from aminopyrazoles I (R = H) and aminonitrosopyrazoles I (R = NO) in DMF.

IT 122128-85-2

(attempted self-condensation of)

RN 122128-85-2 ZCA

CN 1H-Pyrazole-4,5-diamine, 3-methyl-1-(4-nitrophenyl)- (9CI) (CA INDEX NAME)



IT 122128-85-2

(attempted self-condensation of)